



### MATERIAL SAFETY DATA SHEET

## VIVANTIS TECHNOLOGIES SDN BHD REVONGEN CORPORATION CENTER

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#### **SECTION 1: CHEMICAL IDENTIFICATION**

Catalogue Number: Product Name: PC0912-500g Potassium phosphate, Monobasic, Anhydrous

Intended Use: For research use only. Not for use in diagnostic procedures.

#### **Company Headquarters:**

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#### **Company Manufacturing:**

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### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	EC No.	%
Monopotassium phosphate	7778-77-0	-	95-100

## SECTION 3: HAZARDS IDENTIFICATION

**GHS Classification** 

Skin irritant –Category 2Eye irritant –Category 2

### Label elements, including precautionary statements



Signal word: Warning

#### **Hazard Statements**

H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

#### **Precautionary statements**

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+ P352	If on skin, wash with plenty of soap and water.
P304 + P340	If inhaled, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338	If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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### **SECTION 4: FIRST-AID MEASURES**

In case of eye contact, immediately flush eyes with copious amounts of water for at least 15 minutes. Consult a physician.

In case of skin contact, immediately wash skin with soap and copious amounts of water removing all contaminated clothes and shoes.

In case of inhalation, move to fresh air. If breathing becomes difficult, give oxygen.

In case of ingestion, wash mouth with water and drink plenty of water.

## **SECTION 5: FIRE FIGHTING MEASURES**

Not flammable.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Use dry chemical, carbon dioxides, water spray or regular foam.

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and fully protective gear.

Hazardous decomposition products formed under fire conditions: Potassium oxides, phosphorus oxides.

Flash point:	Not determined.
Explosion data – sensitivity to mechanical impact:	Not sensitive.
Explosion data – sensitivity to static discharge:	Not sensitive.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

For personal protection, use personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

For environmental precautions, prevent further leakage or spillage if safe to do so.

For cleaning up, pick up and transfer to properly labeled containers. Avoid dust formation. Ventilate area and wash spill site after material pickup is complete.

### **SECTION 7: HANDLING AND STORAGE**

Handle in accordance with good industrial hygiene and safety practice. Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from moisture. Incompatible with strong oxidizing agents.

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#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye/Face Protection Skin and Body Protection Respiratory Protection Wear tightly fitting safety glasses. Wear protective gloves/clothing. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive pressure-supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be

provided in accordance with current local regulations.

Use engineering measures such as showers, eyewash stations and ventilation systems. Handle in accordance with good industrial hygiene and safety practice.

#### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Physical state: Odor: Odor threshold: Density: pH: Melting point: Freezing point: Initial Boiling point: Boiling point: Flash point: Autoignition temperature: Decomposition temperature: Upper Flammability limit in air: Lower Flammability limit in air: **Explosive properties:** Oxidizing properties: Solubility: Partition coefficient (n-octanol/water): Vapor pressure: Vapor density: Evaporation rate: Specific gravity: Viscosity:

White Solid No information available No information available 2.34No information available 253°C No information available No information available 400°C Not applicable No data available No information available No data available No data available No information available No information available No information available No data available No information available

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## SECTION 10: STABILITY AND REACTIVITY

Stable under recommended storage conditions.Materials to avoid:StHazardous decomposition products:PerHazardous polymerization:Hazardous polymerization:Conditions to avoid:Pr

Strong oxidizing agents. Potassium oxides. Phosphorous oxides Hazardous polymerization does not occur. Protect from moisture.

## SECTION 11: TOXICOLOGICAL INFORMATION Acute toxicity

Irritating to eye, skin and respiratory system.

## **Chronic toxicity**

No known effect based on information supplied Target Organ Effects: None known

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

## SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity** 

The environmental impact of this product has not been fully investigated.

## SECTION 13: DISPOSAL CONSIDERATIONS

Dispose waste material in accordance with federal, state and local environmental regulations. For contaminated packaging, dispose as waste material.

## SECTION 14: TRANSPORT INFORMATION

<u>IATA</u>

Not regulated.

**<u>DOT</u>** Not regulated.

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## SECTION 15: REGULATORY INFORMATION

<b>International Inventories:</b>	
TSCA	Does not comply
EINECS/ELINCS	Does not comply
ENCS	Does not comply
IECSC	Does not comply
KECL	Does not comply
PICCS	Does not comply
AICS	Does not comply

#### United States Federal Regulations SARA 313 Section 313 o

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

#### **Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

### Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

## U.S. State RegulationsCalifornia Proposition 65This product does not contain any Proposition 65 chemicals.

#### International Regulations Mexico – Grade

No information available

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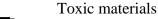
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WHMIS Hazard Class D2B Toxic materials

WHMIS Hazard Class





## **SECTION 16: OTHER INFORMATION**

The information contained in this MSDS relates only to the material(s) designed and does not relate to use(s) in combination with any other material, process(es) and /or chemical reaction(s). Vivantis Technologies Sdn. Bhd. provides this information in good faith, from sources believed to be accurate; however, Vivantis assumes no liability for its accuracy or completeness, and thus shall not be held liable for any damage resulting from handling or from contact with the above product.

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